

**1. DISPLAY LIQUID FOR ELECTROPHORESIS DISPLAY**

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**PROBLEM TO BE SOLVED:** To provide a display liquid for electrophoresis display device good in contrast without causing any color mixing of the display color by pigment component particles and the display color by the dispersion medium colored with a dye, by mixing and using particles having different particle diameters as the pigment component.

**SOLUTION:** This display liquid essentially consists of a pigment component and a dispersion medium having different tone from that of the pigment, and pigment particles having different particle diameters are mixed and used as the pigment component. In the liquid, vacancies formed among the pigment particles having a large particle diameter and vacancies formed between the pigment particles having a large particle diameter and a transparent plate on the display side are filled with pigment particles having a small particle diameter so that intrusion of the dispersion medium colored with a dye is prevented and that a display without color mixing of the color of the pigment particles and the color of the dye can be obtd. In this method, as for the ratio of the particle diameter of the pigments having different particle diameters used as the pigment particles, the particle diameter of the smaller particles is preferably (less than)  $1/4$  of the particle diameter of the larger particles.

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